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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/810,717	03/29/2004	Kaoru Urata	SON-2962	9365	
23353 7	7590 06/29/2005	EXAMINER		INER	
RADER FISHMAN & GRAUER PLLC			MERCEDES, DISMERY E		
LION BUILDING 1233 20TH STREET N.W., SUITE 501 WASHINGTON, DC 20036			ART UNIT	PAPER NUMBER	
			2651	2651	
			DATE MAILED: 06/29/200	DATE MAILED: 06/29/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/810,717	URATA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Dismery E. Mercedes	2651				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period v Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tim y within the statutory minimum of thirty (30) days vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONED	ely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status	·					
1) Responsive to communication(s) filed on 29 M	arch 2004.					
	action is non-final.					
·= ·	·					
.—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-14</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.	•					
6)⊠ Claim(s) <u>1,2,8 and 9</u> is/are rejected.	, , ,					
	r ciccion requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>29 <i>March</i> 2005</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of: 1.⊠ Certified copies of the priority document	. ,	-(d) or (f).				
·		an Na				
2. Certified copies of the priority document	· ·					
3. Copies of the certified copies of the prior	•	ed in this National Stage				
application from the International Bureau	• • • • • • • • • • • • • • • • • • • •					
* See the attached detailed Office action for a list	or the certified copies not receive	a.				
Attachment(c)						
Attachment(s) 1) Notice of References Cited (PTO-892)	A) Intended Summer	(PTO 413)				
1) Motice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P 6) Other:	atent Application (PTO-152)				

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Kashida et al. (US 5,790,746), in view of Shimotashiro et al. (US 5,321,557).

Kashida et al. a reproducing apparatus, comprising reproduced signal processor for performing error correction processing on data generated from a signal obtained by said multiple reproducing heads, discriminating a reproducing head whose tracing condition of a target track is appropriate from said multiple reproducing heads based on a result of the error correction, and generating an output signal using a signal obtained by the discriminated reproducing head (abstract).

Kashida et al. fails to particularly disclose a head assembly including multiple reproducing heads provided for a single track with said heads being deviated in their positions from each other in the track width direction. However, Shimotashiro et al. discloses such (as depicted in Figs. 3-5). It would have been obvious to one of ordinary skill in the art, at the time of invention to modify the reproducing apparatus of Kashida et al. by implementing a head assembly as disclosed by Kashida et al. the motivation being because it would provide such apparatus with the enhanced capability of expanding the tracking margin without increasing the disturbance by the adjacent crosstalk (col.2, lines 51-59 of Shimotashiro et al.).

As to Claim 8, drawn to a method corresponding to the apparatus of claim 1, is rejected for similar reasons set forth in the rejection of claim 1, supra.

3. Claims 2 is rejected under 35 U.S.C. 102(b) as being anticipated by Kashida et al. (US 5,790,746), in view of Shimotashiro et al. (US 5,321,557), further in view of Arai (US 2001/0049804 A1).

As to Claim 2, Kashida et al. in view of Shimotashiro et al. discloses the apparatus of base claim 1, but fails to particularly disclose wherein said reproduced signal processor performs the error correction using an internal code parity.

However, Arai discloses an apparatus that performs the error correction using an internal code parity (page 3, [0037, 0044-0047]). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify the apparatus disclosed by Kashida et al. and Shimotashiro et al. by implementing error correction using internal code parity as disclosed by Arai, the motivation being because it would provide their apparatus with a reliable error correction coding which is well known in the art of recording/reproduction operation.

As to Claim 9, drawn to a method corresponding to the apparatus of claim 2, is rejected for . similar reasons set forth in the rejection of claim 2, supra.

Allowable Subject Matter

4. Claims 3-7 and 10-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Art Unit: 2651

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Inoue et al. (US 6,134,061); Yamasaki et al. (US 5,751,890); Asakura et al. (US 6,639,747 B2).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dismery E. Mercedes whose telephone number is 571-272-7558. The examiner can normally be reached on Monday - Friday, from 9:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

David Hudspeth can be reached on 571-272-7843. The fax phone number for the organization

where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dismery E Mercedes Examiner Art Unit 2651

DM () / M

DAVID HUDSPETH
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600